Cloudscape III – Taking European Cloud Infrastructure Forward

Dates: 15th & 16th March 2011
Location: Brussels, Belgium
Venue: The Hotel, Brussels (Formerly The Hilton Brussels)
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Cloudscape III – Taking European Cloud Infrastructure Forward

Cloud computing is expected to play a key role in the digital economy of the future in Europe and beyond. To ensure European citizens gain real benefits from the cloud, it is essential that we address legal and institutional barriers as well as technical challenges such as interoperability. To this end an EU-wide strategy for 2020 has been established by the EC Digital Agenda.

The Agenda calls specifically for a strategy for cloud at the service of science and government services to boost innovation in Europe for a Cloud computing strategy. To take Europe's eInfrastructures as key enablers of innovation to the next level it is essential to combine experiences in grid infrastructures and cloud computing, thus capitalizing on EC investments over the past decade. Standards groups dedicated to interoperability are now building on headway made in the grid arena to push Cloud standards, offering an important avenue to foster win-win synergies, where the involvement of all stakeholders from government, industry, research and user communities is key in a fast-evolving landscape. The Cloudscape series places European priorities centre stage to strengthen the collective voice and deepen ties with all major stakeholders.

About Cloudscape III and the SIENA European Roadmap on Grid and Cloud Standards for e-Science and Beyond

Cloudscape III, organised by the EC-funded SIENA initiative, will delve deeply into the topic of standardisation in Cloud computing through a series of keynote presentations from the EC, industry, standards bodies, public infrastructure and eScience communities. A series of use-cases will highlight best practices and challenges being faced by both cloud providers and end-users, while interactive roundtable discussions will engage participants in a 2-way dialogue with key players in the cloud landscape.

SIENA (the Standards and Interoperability for eInfrastructure Implementation Initiative) is contributing to defining a future eInfrastructures roadmap in close collaboration with the European Commission and synthesizing viewpoints from EC-funded DCI projects and Standards Development Organisations active in the Distributed Computing Infrastructure environment. The *SIENA European Roadmap on Grid and Cloud Standards for e-Science and Beyond* is being created by the SIENA Roadmap Editorial Board made up of representatives from DCI projects, SDOs, grid and cloud research experts and user community representatives.

Working Agenda

DAY 1 – Tuesday 15 March 2011

08:00 – 09:00	**Registration**	
09:00 - 09:05	**Cloudscape Opening & Welcome**	Silvana Muscella, OGF.eeig & SIENA Technical Coordinator
09:05 – 09:25	**Cloud computing for the Digital Agenda** Keynote message	Robert Madelin, DG INFSO Director-General, European Commission
09:25 – 10:30	**Invited Presentations - Cloud Computing Interoperability & ICT2020 Chair: Martin Antony Walker, Independent Consultant & SIENA REB Chair**	
09:25 - 09:35	**The SIENA European Roadmap on Grid and Cloud Standards for e-Science and Beyond**	Martin Antony Walker, Independent Consultant & SIENA REB Chair
09:35 – 09:55	**Insight on the SDO landscape in Cloud Computing and where we stand**	Vincent Franceschini, CTO - Distributed Data Storage Solutions HITACHI Data Systems & Chairman Emeritus, SNIA
09:55 - 10:15	**Cloud computing & interoperability use-cases**	Gregg Brown, Microsoft's Senior Director in the Interoperability Group and co-leader of the Reference Architecture Survey group in the NIST Cloud Roadmap project
10:15 - 10:30	**Q&A**	
10:30 – 11:00	**COFFEE BREAK**	
11:00 – 12:30	**Cloud computing for Scientific Research User communities – Context and potential interoperability use-cases Chair: Steven Newhouse, EGI & SIENA REB & SLG**	
11:00 – 11:20	**Cloud computing for the Biology and BioTechnology community**	Guy Coates, Group leader, Informatics systems group at Wellcome Trust Sanger Institute, SIENA REB
11:20 – 11:40	**ECEE – Meeting needs of e-Science**	Ake Edlund, Coordinator KTH-SICS Cloud Innovation Center, KTH & Coordinator, Enabling clouds for eScience
11:40 – 12:00	**ESFRI – User Community Needs**	ESFRI Representative (TBC)
12:00 – 12:30	**Roundtable Discussion All speakers plus Ad Emmen, EDGI; Morris Riedel, EMI; Alexander Papaspyrou, IGE**	
12:30 – 14:00	**LUNCH**	

14:00 – 16:00	**Public Services and eGovernment use cases & Distributed Computing Infrastructure (DCI) Use Cases (NB* The use case examples are distributed in advance to the Cloudscape-III meeting for the participants to evaluate them for public comment)** **Chair – John Borras, Independent Consultant, OASIS, eGov Chair & REB Co-chair**	
14:00 – 14:20	**Introducing cloud computing in Government & DCI interoperability challenges: An EC perspective**	Jean-Francois Junger, European Commission Head of Sector Govt & Enric Mitjana, GÉANT and eInfrastructure Unit, European Commission
14:20 – 14:40	**Government as a Service: Opportunities and Threats**	Ian Osborne, Director, Digital Systems Knowledge Transfer Network
14:40 – 15:00	**Open solutions for eGovernment**	Tim Cowen, Partner, Sidley Austin & Founder Open Computing Alliance
15:00 – 15:20	**Use case – EGI-InSPIRE**	Steven Newhouse, Director of EGI.eu and the Project Director of the EGI-InSPIRE project
15:20 – 15:40	**StratusLab Cloud: Early success stories and community feedback**	Evangelos Floros, Project Manager at GRNET and activity leader for the StratusLab Infrastructure Operations WP
15:40 – 16:00	**User scenarios – VENUS-C**	Ignacio Blanquer, Associate Professor, Universidad Politécnica de Valencia
16:00 – 16:30	**COFFEE BREAK**	
16:30 - 17:30	**SIENA Roadmap Working Session: Topic – How can eGovernment & DCI projects collaborate for mutual benefit.** **Chair: Martin Antony Walker, Independent Consultant & SIENA REB Chair** A structural overview of the SIENA Roadmap will be presented and results from the session will contribute to the SIENA Roadmap. Participants: Alan Sill, VP of Standards, OGF; Gregg Brown, Microsoft's Senior Director in the Interoperability Group; Steven Newhouse, Director, EGI; 1 Gvmt. use case representative, Dawn Leaf, Senior Executive for Cloud Computing at NIST	
18:30 – 21:00	**Networking Cocktail & Demos sponsored by Microsoft Research, Microsoft Executive Briefing Centre, Avenue des Nerviens 85 - 1040 Brussels. Transport to venue will be provided**	

08:00 – 09:00	Registration	
09:00 – 11:00	**Tackling legal, policy & ethical issues around Cloud computing. data privacy, security, and the legal side of portability data migration, mashup and facilitation** **Chair: Vincent Franceschini, CTO Distributed Data Storage Solutions, Hitachi Data Systems & Chair, SNIA Europe & SIENA IEG**	
09:00 – 09:20	**Ethical and Social Impact of Cloud computing**	Luciano Floridi, Professor of Philosophy of Information and UNESCO Chair in Information and Computer Ethics, University of Hertfordshire
09:20 – 09:40	**Economic and legal implications of sustainable scientific clouds – a VENUS-C Study**	Giorgia Fiume and Francesca Spagnoli, Business Consultants, Engineering
09:40 – 10:00	**TBC**	TBC
10:00 - 10:20	**Industrial perspective on legal issues surrounding cloud computing**	Paolo Balboni, Founder, Balboni Law Firm & Executive Director of European Privacy Association
10:20 – 11:00	**Roundtable Discussion: Topic – Handling Data Sovereignty** **Participants: Session speakers**	
11:00 – 11:30	**Coffee Break**	
11:30 – 13:00	**Security issues and Cloud** **Chair: TBC**	
11:30 - 11:50	**SAJAAC Security issues**	Dawn Leaf, Senior Advisor in the National Institute of Standards and Technology Information Technology Laboratory, and the NIST Senior Executive for Cloud Computing
11:50 – 12:10	**Requirements and Impacts on Standards for trustworthy Cloud Computing - The case of the TCLoud initiative**	Elmar Husmann, Senior Managing Consultant at IBM Strategy & Change - Innovation & TCloud Representative on behalf of the IBM Zurich Labs
12:10 – 12:30	**Investigating the Security, Privacy and Trust Implications of Cloud Computing**	Neil Robinson, Senior Analyst, RAND Europe
12:30 – 12:50	**Security issues and Cloud**	Jens Jensen, STFC e-Science centre
12:50 – 13:15	**Roundtable Discussion** **Participants: Session speakers plus Philippe Massonet, Scientific Coordinator, CETIC**	
13:15 – 14:00	**Networking Lunch**	
14:00 – 15:30	**Taking Cloud interoperability to the next level: Industry Perspectives on Cloud Interoperability – Barriers and Opportunities** **Chair – Fabrizio Gagliardi, EMEA Director External Research Microsoft Research & SIENA IEG**	
14:00 –14:20	**Flexiant: Perspective as a European cloud provider**	Tabassum Sharif, Director of

		Operations, Flexiant
14:20 – 14:40	**FABASOFT - The European Cloud for Business-to-Business Collaboration: Live Interoperability Case Studies**	Karl Mayrhofer, Managing Director of Fabasoft Distribution GmbH
14:40 – 15:00	**UBIRY (SME offering Cloud Consulting - assisting in the strategic assessment of cloud computing)**	UBIRY representative (TBC)
15:00 – 15:20	**IaaS Cloud Interoperability through Standards in the RESERVOIR Project**	Fermìn Galan Marquez RESERVOIR representative
15:20 - 15:30	**Q&A**	
15:30 – 16:00	**Coffee Break**	
16:00 - 17:30	**Building a consensus on cloud standards – The Lighthouse Initiative** The concluding session highlights some of the relevant use cases to take forward as part of the SIENA roadmap including scenarios, drivers & vision. NIST Roadmap findings outlining - NIST international external advisory group on Cloud Computing and its SAJACC use cases are highlighted. **Chair - David Wallom, Associate Director – Innovation, OERC & SIENA Consortium** **Discussion Panel:** NIST – TBC; DCI representative – TBC; Industry – TBC; eGovernment – TBC; SIENA REB – Martin Walker, REB Chair	
17:30	**Workshop Close**	